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INFORMATION REPORT

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COUNTRY Poland

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SUBJECT Falva Ironworks in Swietochlowice, Upper Silesia

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THIS IS UNEVALUATED INFORMATION

SOURCE

EVALUATE

1. Designation:

Formerly Lethlen-Falva Ironworks in Swietochlowice (, 51/Y 47). The present designation: Huta Florian, Swietochlowice.

2. Plant history:

The plant was assigned to the Katowice Corporation for Mining and Ironworks in Katowice (, 51/Y 57) until 1945 when it was transferred to the Hermann Goering Trust. It became a Polish nationalized enterprise in 1945.

3. Production:

a. Coke 130,000 tons annually
Pig iron 70,000 " "
steel)
steel castings) 95,000 " "

b. Rolled production:

round and square iron	8 to 30 mm
flat iron	16 to 52 x 5 x 16 mm
hoop iron	18 to 40 x 2 x 5 mm
tube sections	50 and 70 x 2 mm
angle iron	30 to 50 mm
T- iron	30 to 50 mm
hoop iron	50 to 110 mm
small shapes	
angle iron	13 to 26 mm
hoop iron	13 to 51 x 1 to 5 mm
round iron	28 to 55 mm
square iron	27 to 35 mm
flat iron	45 to 104 x 10 to 30 mm
hoop iron for tube rolling mill and cold rolling mill	90 to 130 mm
strip steel	5 to 110 x 0,1 to 3 mm

25X1A Annual output of rolled products: 65,000 tons
" " of horseshoes, size 00 : 65,000 tons

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c. By-products:

coke-oven gas
ammonia
benzol
crude benzol
commercial benzol
toluol
solvent naphtha
naphthalene
blast-furnace gas
slag stones (1,000 stones per hour)

4. Plant installations:

No information is available on the value of the installations.

a. Coking plant

two batteries of 40 chambers each (old construction design)
one battery of 50 chambers, 1[illegible]0 tons processed in 24 hours
one battery of 32 chambers, 1[illegible]0 tons processed in 24 hours
Each battery had one ramming machine and coke pusher.
Grinding and mixing installation with mechanical feed and discharge (conveyor belt); dredging chain and rope haulage to the blast furnace burden dump; storage bunker.

By-product installations:

Separation of crude tar (four inclined tubular cooling apparatuses of 650 square meters each)
Ammonia factory
Benzol factory ("Still" type)

b. Blast furnace installation:

two blast furnaces, daily output 250 tons each
one blast furnace, daily output 450 tons
two inclined elevators
one vertical elevator
three hot-blast stoves, heating surface ranging from 4,500 to 5,000 square meters
one electric blast-furnace gas cleaning machine (five filter units) (Siemens-Schuckert system); with spill valve for conducting excess gases to the boiler house.
One sintering plant with [illegible] one revolving drum 70 meters long and 3 meters in diameter. 300 tons processed in 24 hours.
Three gas-driven engine blowers of 500 HP each ("Koerting" two-cycle engines)
two electric turbo-blowers of 1,000 HP each
Several electrically operated centrifugal pumps and steam piston pumps for the water supply.
Slag crushing installation with two stone crushers and one sieve drum
One slag stone factory (1,000 slag stones per hour)

c. Power station

one heavy duty vertical tube boiler of 1,200 cubic meters fueled with coal dust and gas additions.
Three upper drums, each 7.5 meters long and 1,600 mm in diameter
one lower drum, 6.3 meters long and 1,400 mm in diameter
two coal dust mills for directly feeding the boiler
(Two "Aesolutor" mills, 5 tons per hour each)

one two-cylinder AEG 25,000 kws turbine for gauge pressure of 14 atmosphere and 350 centigrade steam temperature

The boiler house has an intake capacity of 45,000 cubic meters of blast furnace gas.

d. Open-hearth plant.

Two tilting open-hearth furnaces, 100 tons each
four open-hearth furnaces, 50 tons each
one open-hearth furnace, 20 tons (for steel casting charges)
one pig iron mixer
twelve three-phase generators, each processing 15 tons in 24 hours
charging machines
scrap bunker with four magnet cranes, 5-ton load capacity each
two electric scrap presses
three foundry cranes, 60 tons each
two upright cranes, 10 tons each
one fast-running 10-ton mold crane
two 10-ton bracket cranes over the foundry pits
one dolomite-calcining kiln
one repair forge

e. Steel casting foundry

six annealing and drying furnaces
one dressing plant for the molding batch
one cleaning shop with saws for cutting top discards
one workshop
one forge
one pattern-making shop
one pattern depot

f. Grey cast foundry

three cupola furnaces
two traveling cranes of 20 tons and 15 tons respectively
one sand preparing plant with pan grinders, ball mills and mixing machines
one foundry cleanings shop
one mechanical workshop with machine tools

g. Iron rolling mill

one blooming mill train
one "Morgan" rolling mill for ingots and flat blooms
(1) Rolling train No.I

This is a continuous roughing strand of rolls with two separate roll lines of six rolling stands each.
Ingots heated in a gravity-discharge furnace (with semi-gas) firing) are rolled to 70 mm in the first roll line. The rolls are operated by a 600 HP three-phase motor. There are two shears.
The second line consists of the last roll stand with two auxiliary roll stands.
A 265-finishing mill train with five roll stands and two planishing stands for hoop iron.
The roll line is operated by a 1,000 HP three-phase motor.
The 265-finishing mill train is also operated by a 1,000 HP three-phase motor.

One rotating shear
automatic cooling board, 40 meters long
table roller, hoop iron reel
one traveling crane, 15 tons

(2) Rolling train No. II

one 350-roughing strand of rolls with three roll stands and planishing stand operated by a 1,200 HP three-phase motor
two 365-finishing mill trains with five roll stands operated by a 1,100 three-phase motor
One automatic cooling board, 45 meters long
one rotating shear for angle iron 13 to 26 mm
T-iron 13 to 26 mm
hoop iron 13 to 51 x 1 to 5 mm

(3) Rolling train No. III

570-roughing strand of rolls with one roll stand
450-finishing mill train with three roll stands
Both trains are driven by a 1,200 HP three-phase motor
table roller
cooling board with two circular saws on carriages
Three assembly crabs
two magnet cranes for charging the ingots
one claw crane for distributing the bars
dressing shop with dressing machines
binding shop
depot

h. Cold rolling mill
twenty-two roll stands with eight rolls
twenty-five roll stands with six rolls
one roll stand with 250-mm rolls
twenty-one pot annealing furnaces
two "Kasten" annealing furnaces
two pickling shops
sand cleaning machines
polishing machines
round shears
punches
tinning shop

i. Horseshoe factory
three light presses with roll stands
three heavy presses with roll stands

j. Administration building
plant railroad
cable way
repair shops
engine shed
warehouses and storage places
fire department

Supply of raw materials:

Coal shipments come from the Deutschlandgrube in Swietochlowice
Other incoming shipments: Swedish ore and roasted pyrites

Supplying plants:

Limestone quarries in Laczekowitz (sic)

"Waglo" Lime Factory in Tarnowice
"Koenigshuette" Ironworks in Koenigshuette
"Giesche" Plant in Katowice
"Eintrachtshuette" Ironworks in Eintrachtshuette

25X1A [redacted] Comment:

a. Until 1942 the Falva Ironworks was a subsidiary of the Bismarckhuette Ironworks Corporation, which was taken over by the Katowice Corporation for Mining and Ironworks in 1929. The Silesiahuette Ironworks Corporation had been fused with the Bismarckhuette at that time. This union was made to combine the organizational setup of the coal, pig iron, steel and refining industries.

b. The German management built the largest blast furnace of Upper Silesia in the Falva Ironworks in 1929, 1930. This blast furnace has a daily output of 450 tons of pig iron while the daily output of the Upper Silesian blast furnaces ordinarily does not exceed 250 tons (see para 4 b)

c. According to para 4b the Falva Ironworks has an annual pig iron capacity of about 300,000 tons and, according to para 4d, an annual ingot steel capacity of about 400,000 tons. The pig iron, steel and steel casting production figures reported in para 3a seem to be rather small compared to these capacity figures.

d. The power station (see para 4c) had a prewar installed capacity of 51,000 kws.

1 Annex, Location of "Falva" Ironworks in Swietochlowice, Upper Silesia.

"Falva" Iron[illegible] in SWIETOCHLOWICE, Upper Silesia

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